

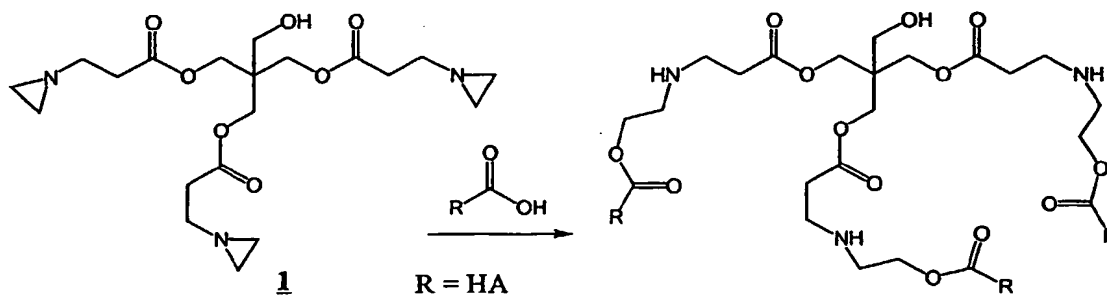
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60/373,279 **17 April 2002 (17.04.2002) US**(71) Applicant (for all designated States except US): **GENZYME CORPORATION [US/US]; 1 Kendall Square, Cambridge, MA 02139 (US).**

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(57) **Abstract:** There is disclosed a cross-linked hyaluronate compound obtained by reacting a sodium hyaluronate compound with a polyfunctional aziridine compound as a cross-linking agent. The polyfunctional aziridine compound was added to hyaluronan of various molecular weights in an equivalent ratio of HA/AZ of 1:1 to 1:10, preferably, 1:3 to 1:10, more preferably, 1:3 to 1:5; most preferably 1:4 to 1:5. The polymeric hydrogel compounds obtained are useful to prevent the formation of post-operative adhesions, designing tissue engineering applications, and the like.